

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021822\  
 Data File : VX027116.D  
 Acq On : 18 Feb 2022 17:39  
 Operator : JC/MD  
 Sample : N1465-02ME  
 Misc : 4.90g/5.0mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 A5-2-6.5ME

Quant Time: Feb 21 00:41:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020822W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 08 07:07:46 2022  
 Response via : Initial Calibration

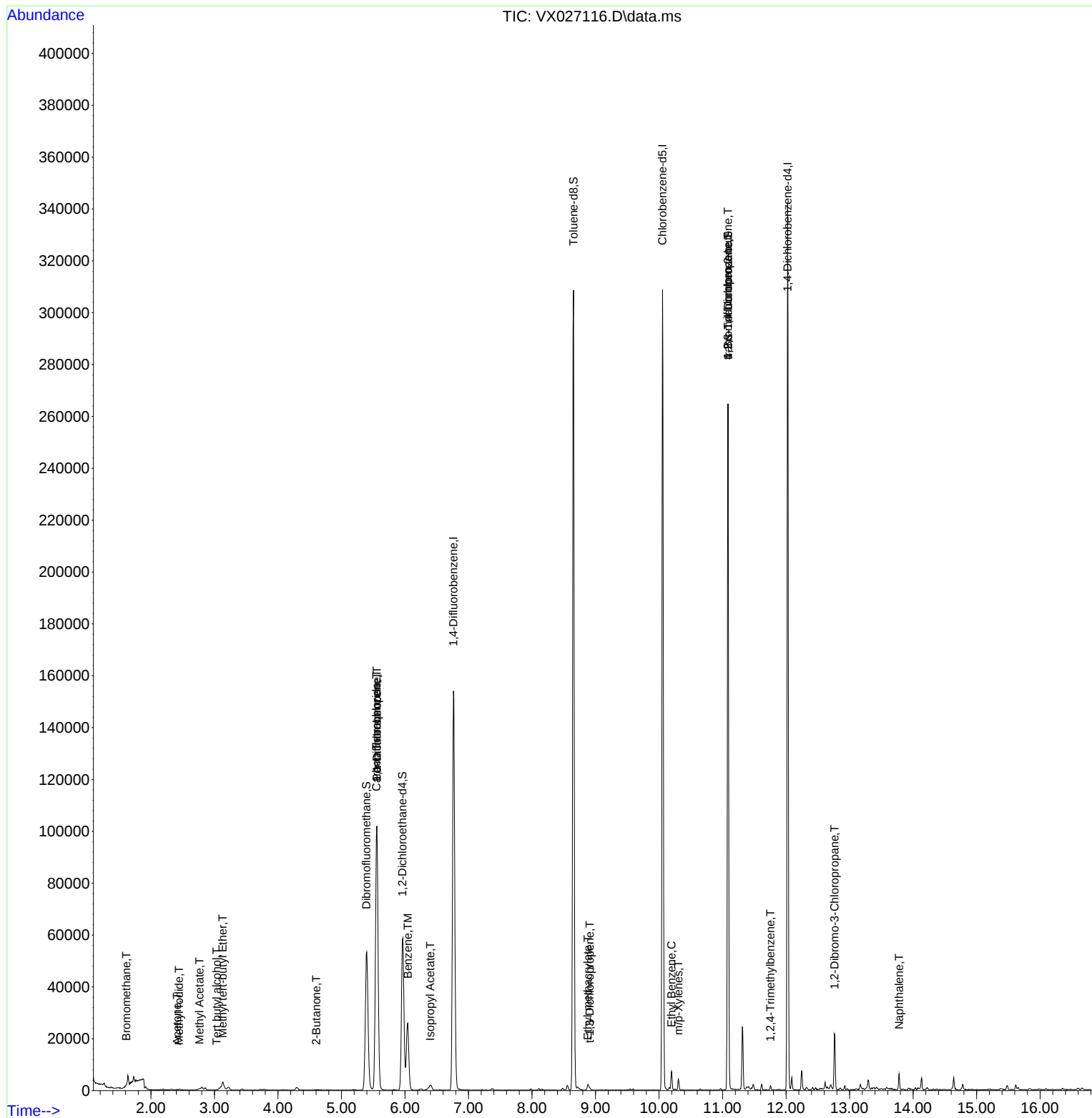
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 100743     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 165772     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 151143     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 74323      | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 59510      | 49.210    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 98.420%   |        |          |
| 35) Dibromofluoromethane      | 5.391          | 113  | 48243      | 48.847    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 97.700%   |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 190742     | 52.614    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 105.220%  |        |          |
| 62) 4-Bromofluorobenzene      | 11.085         | 95   | 73394      | 57.503    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 115.000%  |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           | Qvalue |          |
| 5) Bromomethane               | 1.611          | 94   | 172        | 0.380     | ug/l   | 89       |
| 6) Chloroethane               | 1.880          | 64   | 20         | Below Cal | #      | 43       |
| 10) Methyl Iodide             | 2.441          | 142  | 222        | 2.402     | ug/l # | 81       |
| 11) Tert butyl alcohol        | 3.032          | 59   | 249        | 1.140     | ug/l # | 75       |
| 16) Acetone                   | 2.410          | 43   | 377        | 0.710     | ug/l # | 46       |
| 18) Methyl Acetate            | 2.764          | 43   | 840        | 0.550     | ug/l # | 53       |
| 19) Methyl tert-butyl Ether   | 3.129          | 73   | 3253       | 0.891     | ug/l   | 93       |
| 25) 2-Butanone                | 4.605          | 43   | 219        | 0.256     | ug/l # | 50       |
| 36) 1,1-Dichloropropene       | 5.556          | 75   | 7251       | 4.654     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 9863       | 6.037     | ug/l # | 17       |
| 40) Benzene                   | 6.044          | 78   | 32264      | 7.105     | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.397          | 43   | 776        | 0.285     | ug/l # | 62       |
| 53) t-1,3-Dichloropropene     | 8.909          | 75   | 261        | 1.504     | ug/l # | 43       |
| 56) Ethyl methacrylate        | 8.878          | 69   | 424        | 0.246     | ug/l # | 27       |
| 67) Ethyl Benzene             | 10.195         | 91   | 4303       | 0.778     | ug/l   | 96       |
| 68) m/p-Xylenes               | 10.305         | 106  | 1083       | 0.509     | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.085         | 75   | 35893      | 22.061    | ug/l # | 40       |
| 81) trans-1,4-Dichloro-2-b... | 11.085         | 75   | 35893      | 67.691    | ug/l # | 4        |
| 84) 1,2,4-Trimethylbenzene    | 11.756         | 105  | 1064       | 0.219     | ug/l   | 91       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.762         | 75   | 570        | 1.459     | ug/l # | 32       |
| 95) Naphthalene               | 13.780         | 128  | 3957       | 0.728     | ug/l # | 96       |
| -----                         |                |      |            |           |        |          |

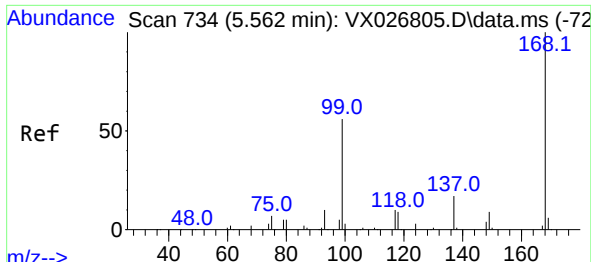
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021822\  
Data File : VX027116.D  
Acq On : 18 Feb 2022 17:39  
Operator : JC/MD  
Sample : N1465-02ME  
Misc : 4.90g/5.0mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
A5-2-6.5ME

Quant Time: Feb 21 00:41:22 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020822W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 08 07:07:46 2022  
Response via : Initial Calibration

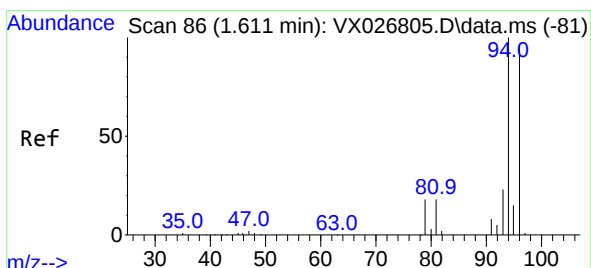
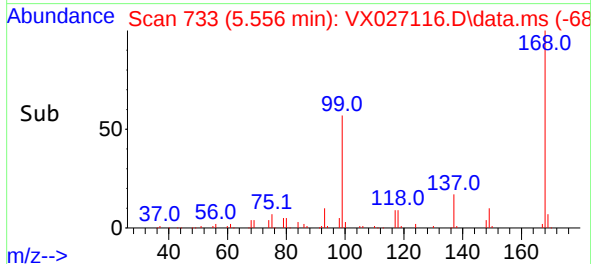
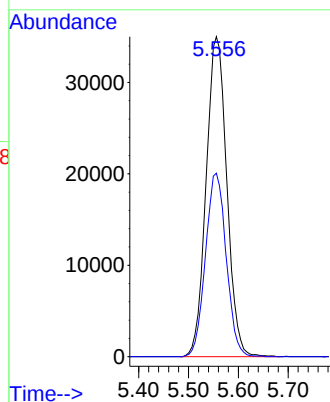
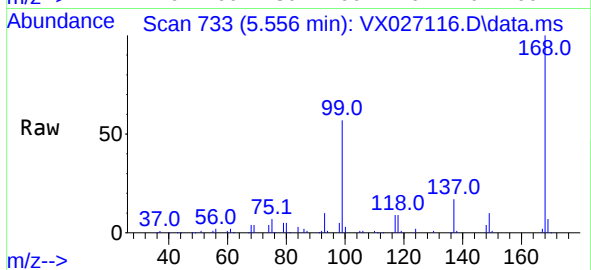




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

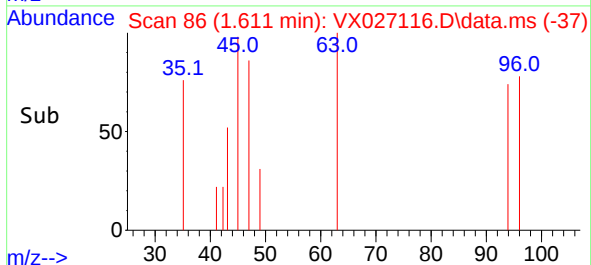
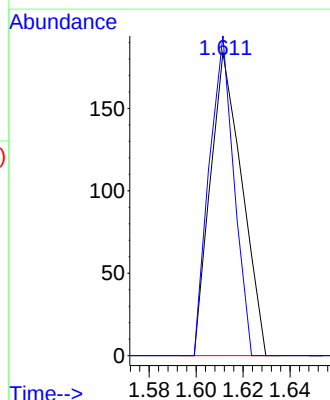
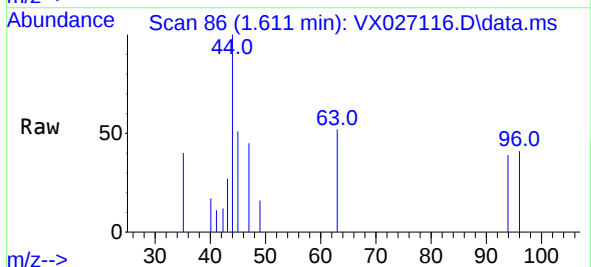
Instrument :  
MSVOA\_X  
ClientSampleId :  
A5-2-6.5ME

Tgt Ion:168 Resp: 100743  
Ion Ratio Lower Upper  
168 100  
99 57.4 50.3 75.5

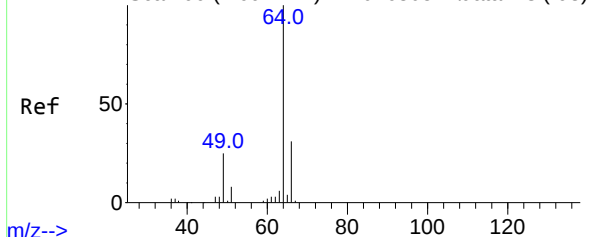


#5  
Bromomethane  
Concen: 0.380 ug/l  
RT: 1.611 min Scan# 86  
Delta R.T. 0.000 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

Tgt Ion: 94 Resp: 172  
Ion Ratio Lower Upper  
94 100  
96 105.4 75.9 113.9



Abundance Scan 99 (1.691 min): VX026805.D\data.ms (-93)

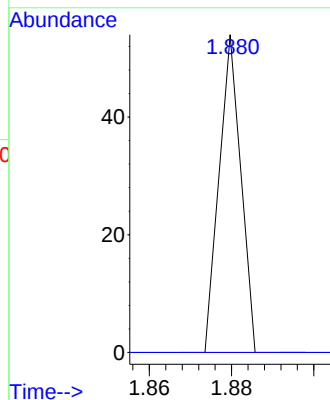
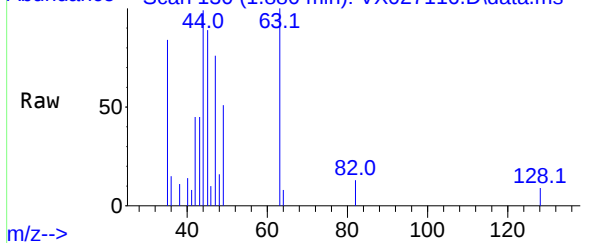


#6  
Chloroethane  
Concen: Below Cal  
RT: 1.880 min Scan# 11  
Delta R.T. 0.189 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

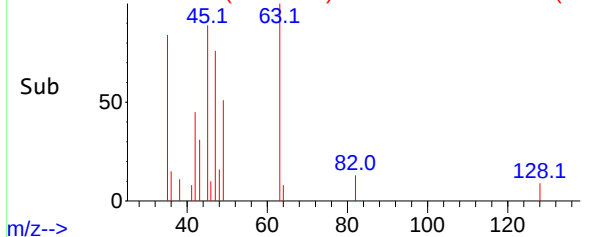
Instrument :  
MSVOA\_X  
ClientSampleId :  
A5-2-6.5ME

Tgt Ion: 64 Resp: 20  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.2#

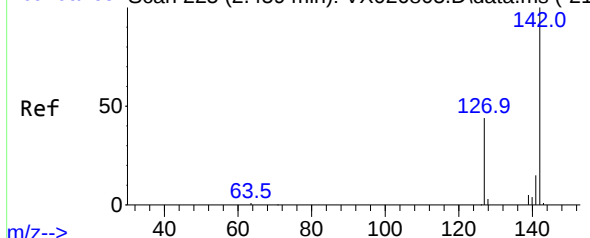
Abundance Scan 130 (1.880 min): VX027116.D\data.ms



Abundance Scan 130 (1.880 min): VX027116.D\data.ms (-50)



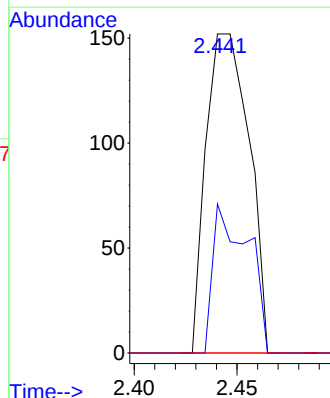
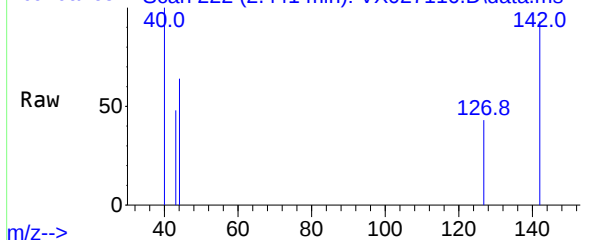
Abundance Scan 225 (2.459 min): VX026805.D\data.ms (-21)



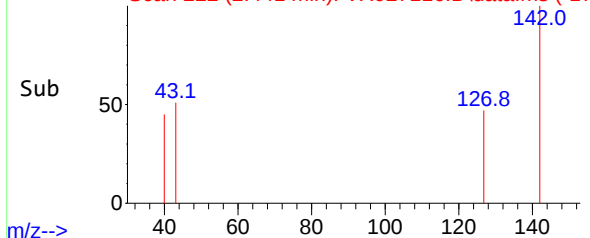
#10  
Methyl Iodide  
Concen: 2.402 ug/l  
RT: 2.441 min Scan# 222  
Delta R.T. -0.018 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

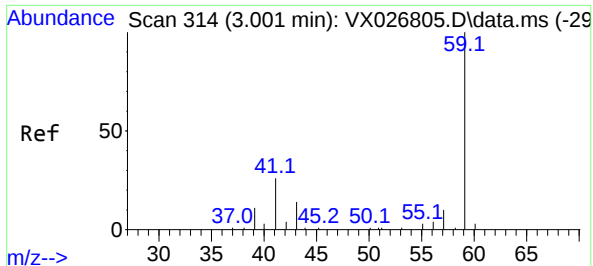
Tgt Ion: 142 Resp: 222  
Ion Ratio Lower Upper  
142 100  
127 38.3 38.1 57.1  
141 0.0 11.2 16.8#

Abundance Scan 222 (2.441 min): VX027116.D\data.ms



Abundance Scan 222 (2.441 min): VX027116.D\data.ms (-17)

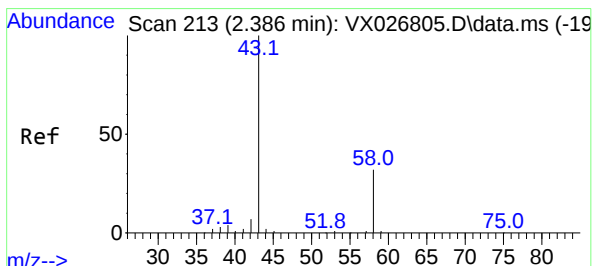
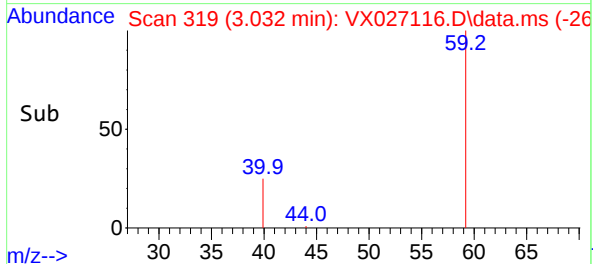
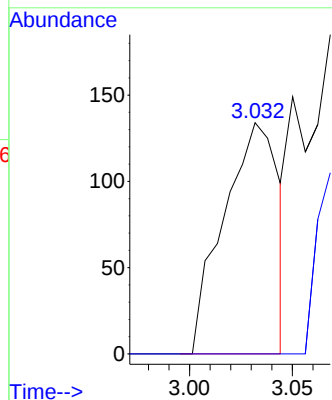
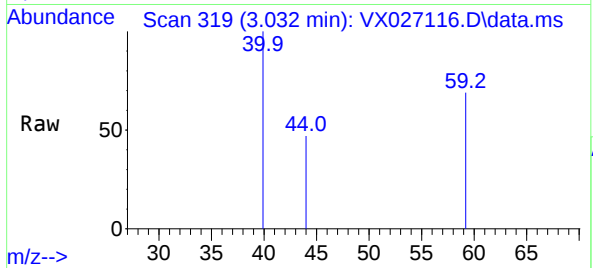




#11  
Tert butyl alcohol  
Concen: 1.140 ug/l  
RT: 3.032 min Scan# 314  
Delta R.T. 0.031 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

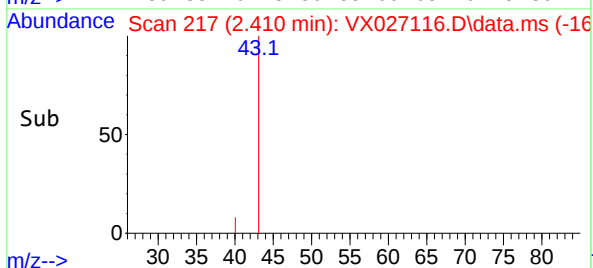
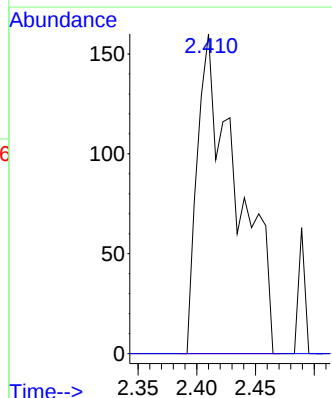
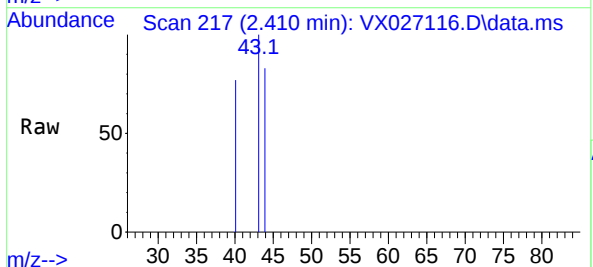
Instrument :  
MSVOA\_X  
ClientSampleId :  
A5-2-6.5ME

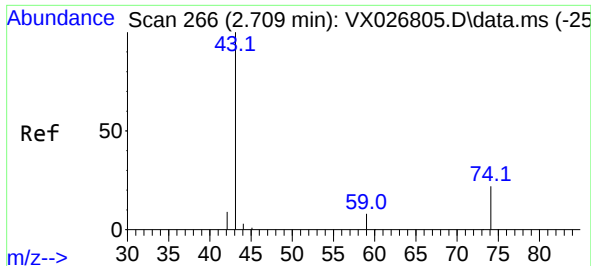
Tgt Ion: 59 Resp: 249  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.2 10.8#



#16  
Acetone  
Concen: 0.710 ug/l  
RT: 2.410 min Scan# 217  
Delta R.T. 0.024 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

Tgt Ion: 43 Resp: 377  
Ion Ratio Lower Upper  
43 100  
58 0.0 23.0 34.6#

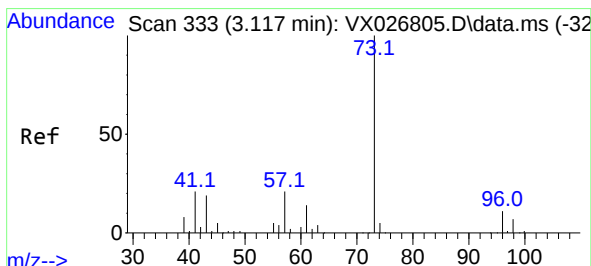
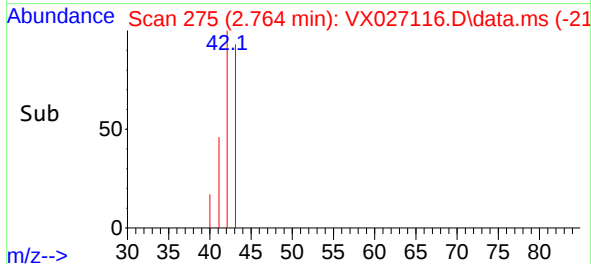
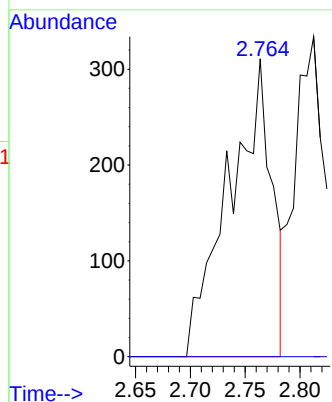
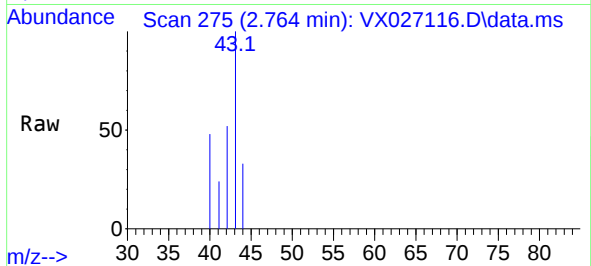




#18  
Methyl Acetate  
Concen: 0.550 ug/l  
RT: 2.764 min Scan# 21  
Delta R.T. 0.055 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

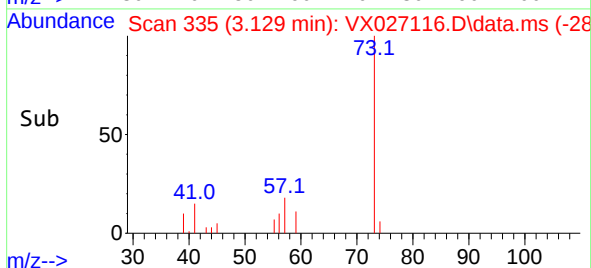
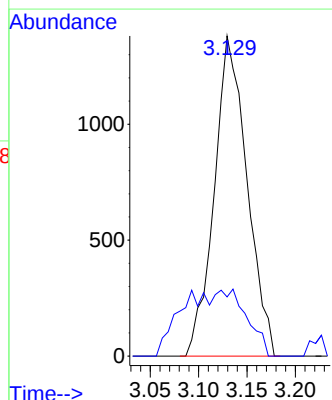
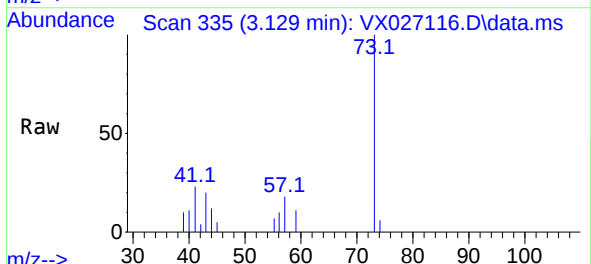
Instrument :  
MSVOA\_X  
ClientSampleId :  
A5-2-6.5ME

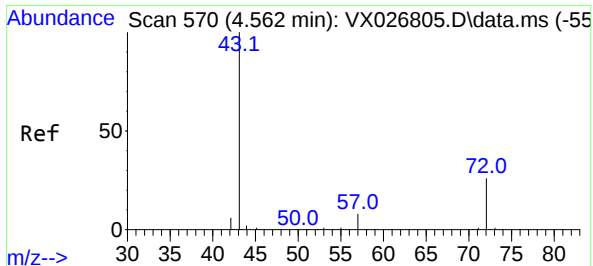
Tgt Ion: 43 Resp: 840  
Ion Ratio Lower Upper  
43 100  
74 0.0 18.3 27.5#



#19  
Methyl tert-butyl Ether  
Concen: 0.891 ug/l  
RT: 3.129 min Scan# 335  
Delta R.T. 0.012 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

Tgt Ion: 73 Resp: 3253  
Ion Ratio Lower Upper  
73 100  
57 18.5 17.4 26.2





#25

2-Butanone

Concen: 0.256 ug/l

RT: 4.605 min Scan# 51

Delta R.T. 0.043 min

Lab File: VX027116.D

Acq: 18 Feb 2022 17:39

Instrument :

MSVOA\_X

ClientSampleId :

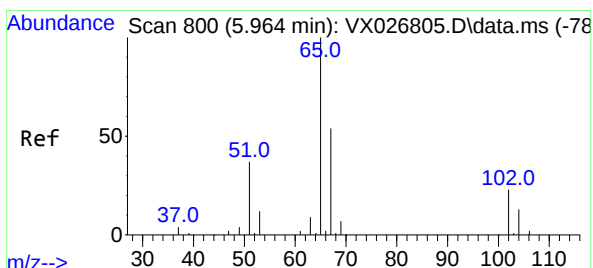
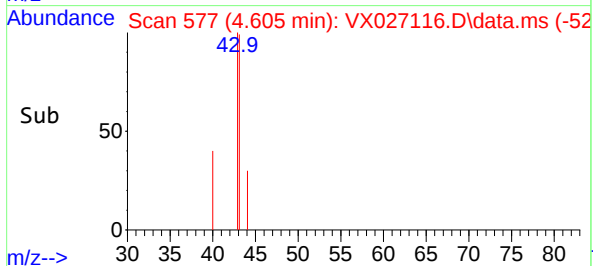
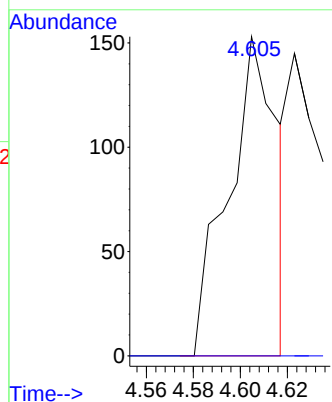
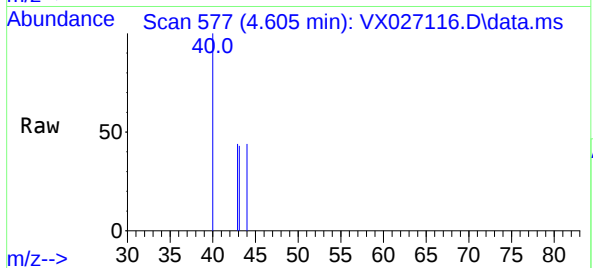
A5-2-6.5ME

Tgt Ion: 43 Resp: 219

Ion Ratio Lower Upper

43 100

72 0.0 20.4 30.6#



#33

1,2-Dichloroethane-d4

Concen: 49.210 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX027116.D

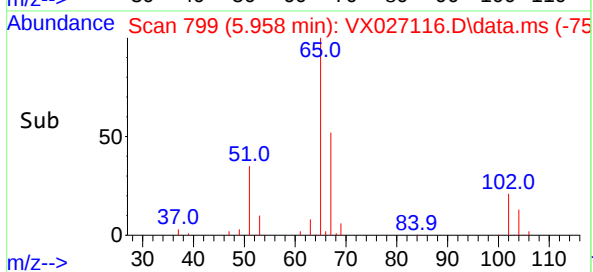
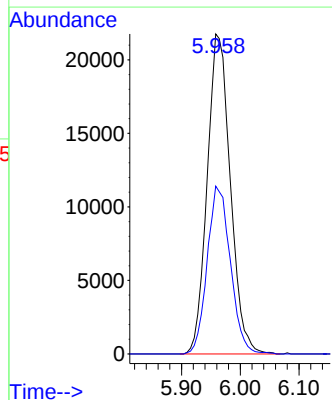
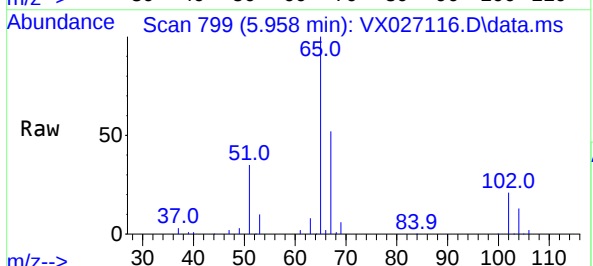
Acq: 18 Feb 2022 17:39

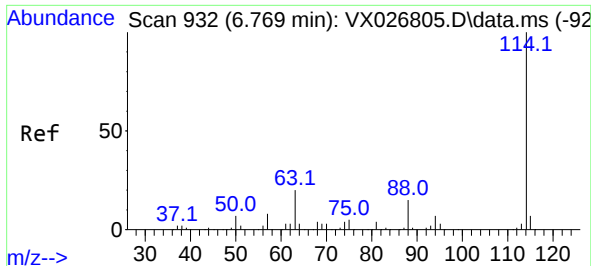
Tgt Ion: 65 Resp: 59510

Ion Ratio Lower Upper

65 100

67 52.5 0.0 100.8

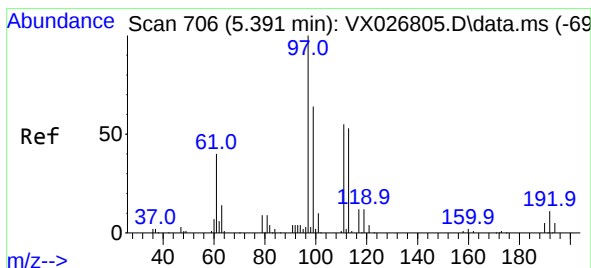
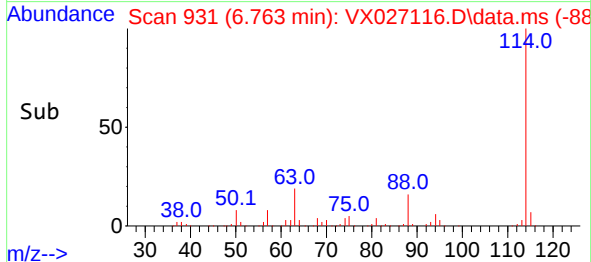
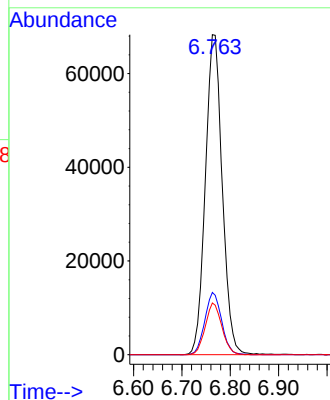
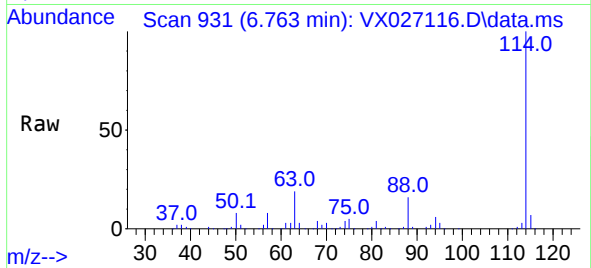




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

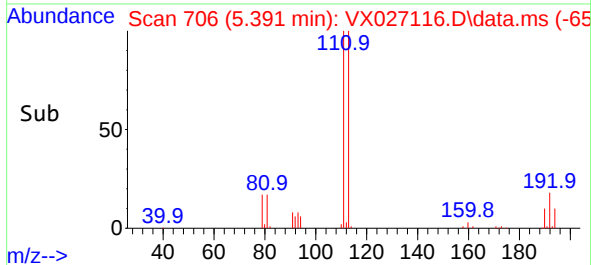
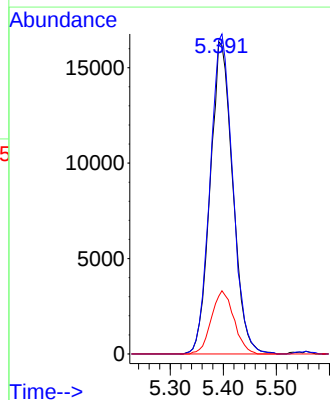
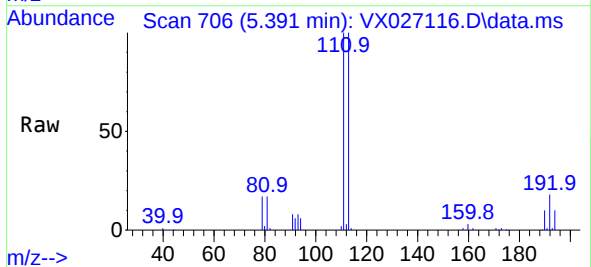
Instrument :  
MSVOA\_X  
ClientSampleId :  
A5-2-6.5ME

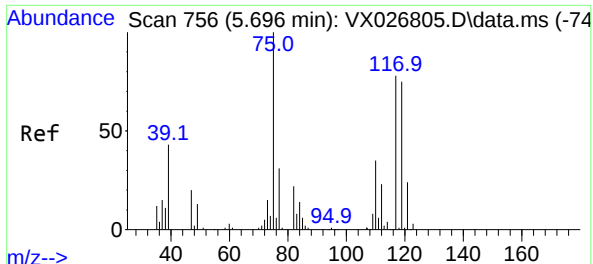
Tgt Ion:114 Resp: 165772  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 42.8  
88 16.1 0.0 33.0



#35  
Dibromofluoromethane  
Concen: 48.847 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

Tgt Ion:113 Resp: 48243  
Ion Ratio Lower Upper  
113 100  
111 103.1 81.2 121.8  
192 20.2 15.0 22.4

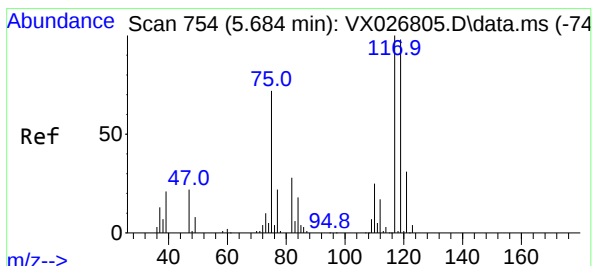
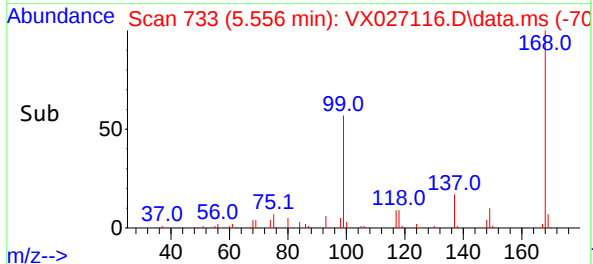
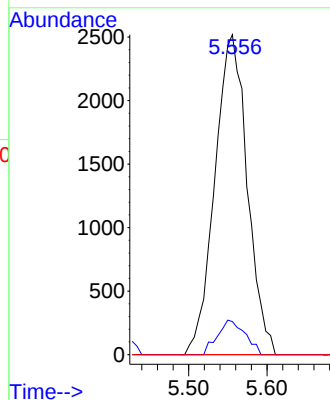
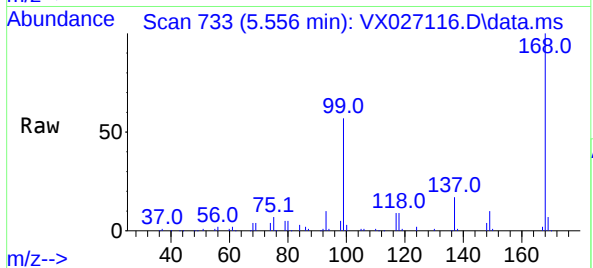




#36  
1,1-Dichloropropene  
Concen: 4.654 ug/l  
RT: 5.556 min Scan# 711  
Delta R.T. -0.140 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

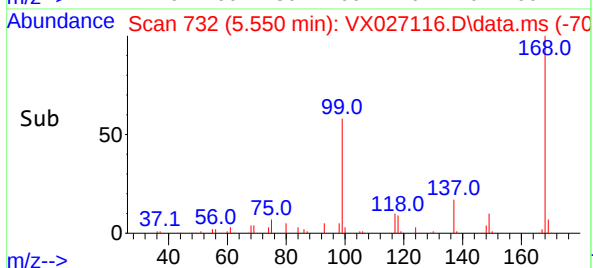
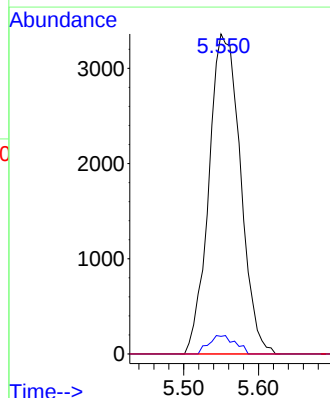
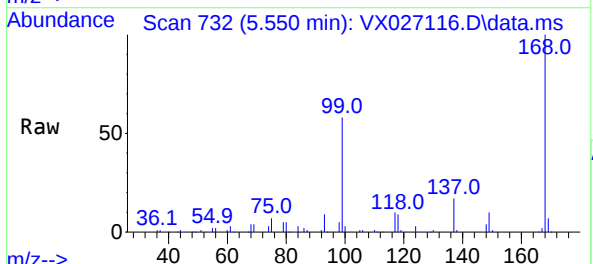
Instrument :  
MSVOA\_X  
ClientSampleId :  
A5-2-6.5ME

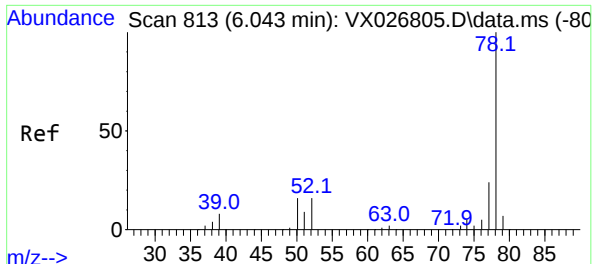
Tgt Ion: 75 Resp: 7251  
Ion Ratio Lower Upper  
75 100  
110 9.2 17.2 51.6#  
77 0.0 24.6 36.8#



#38  
Carbon Tetrachloride  
Concen: 6.037 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.134 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

Tgt Ion: 117 Resp: 9863  
Ion Ratio Lower Upper  
117 100  
119 5.5 74.7 112.1#  
121 0.0 25.4 38.0#

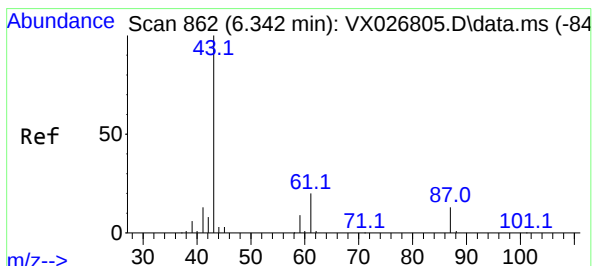
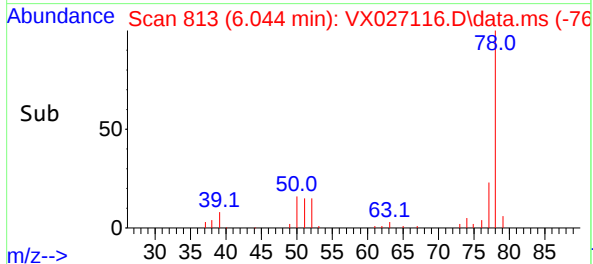
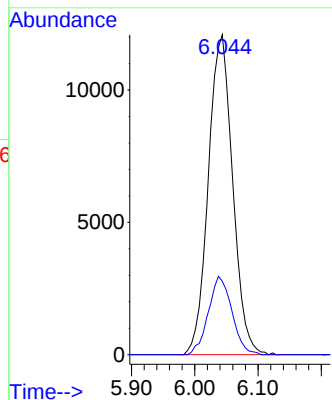
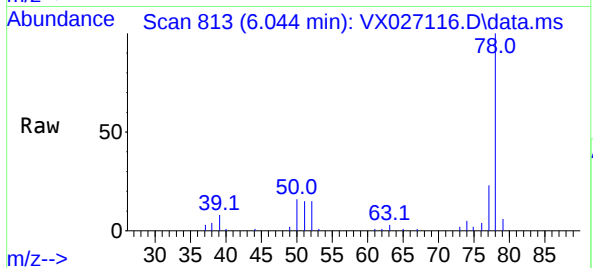




#40  
Benzene  
Concen: 7.105 ug/l  
RT: 6.044 min Scan# 813  
Delta R.T. 0.000 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

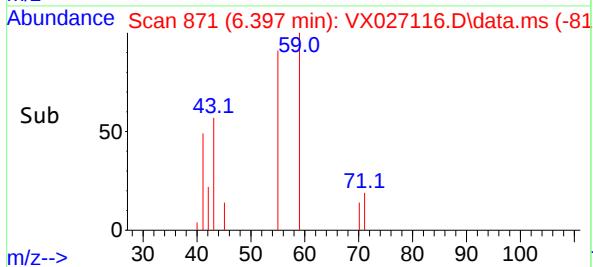
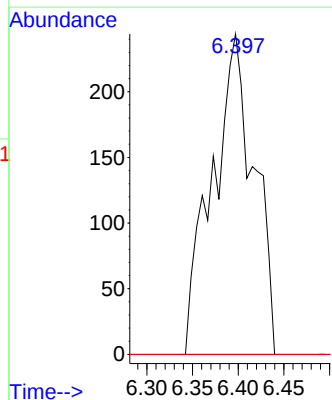
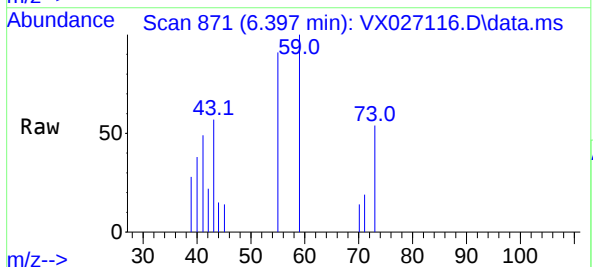
Instrument :  
MSVOA\_X  
ClientSampleId :  
A5-2-6.5ME

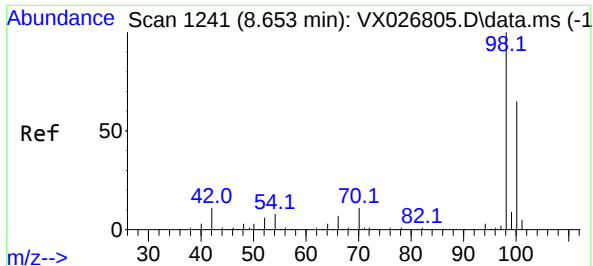
Tgt Ion: 78 Resp: 32264  
Ion Ratio Lower Upper  
78 100  
77 23.0 18.9 28.3



#43  
Isopropyl Acetate  
Concen: 0.285 ug/l  
RT: 6.397 min Scan# 871  
Delta R.T. 0.055 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

Tgt Ion: 43 Resp: 776  
Ion Ratio Lower Upper  
43 100  
61 0.0 15.4 23.0#  
87 0.0 10.2 15.2#

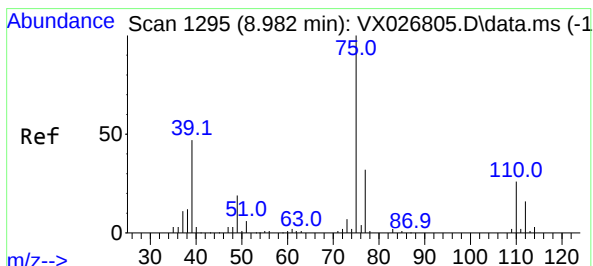
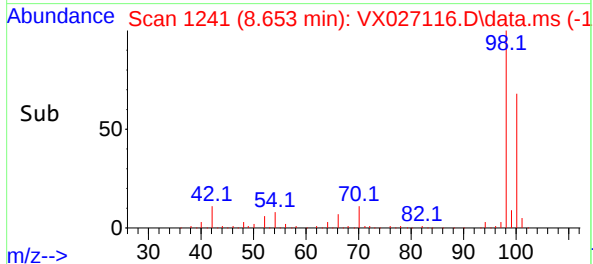
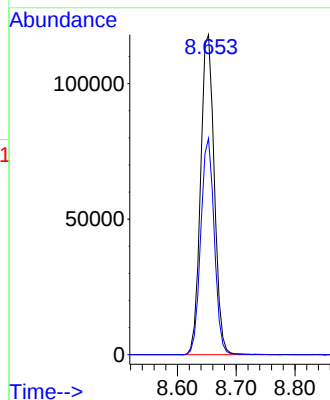
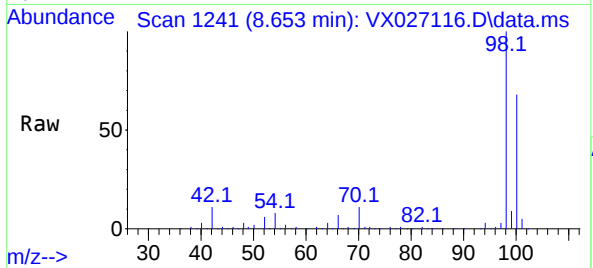




#50  
Toluene-d8  
Concen: 52.614 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

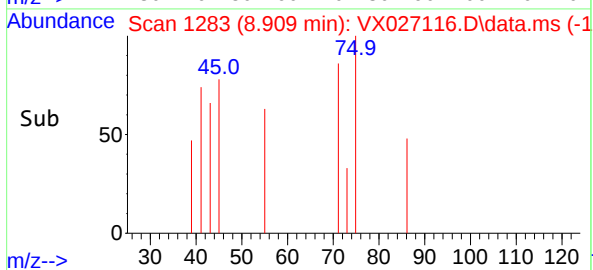
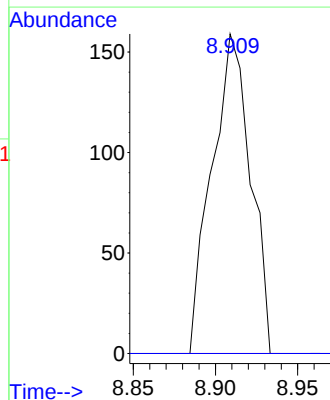
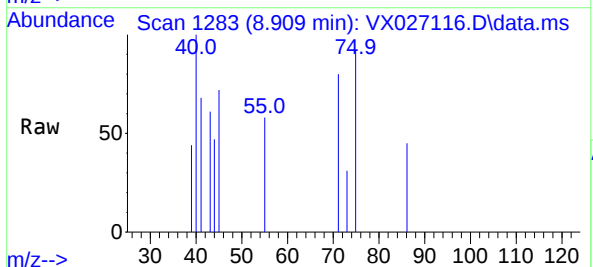
Instrument :  
MSVOA\_X  
ClientSampleId :  
A5-2-6.5ME

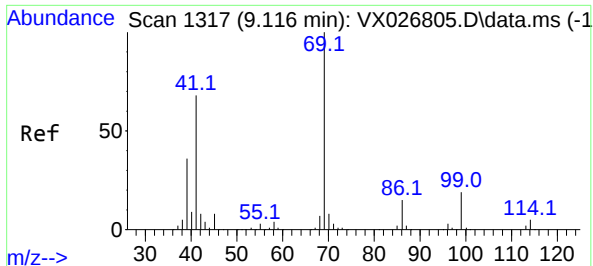
Tgt Ion: 98 Resp: 190742  
Ion Ratio Lower Upper  
98 100  
100 66.6 53.2 79.8



#53  
t-1,3-Dichloropropene  
Concen: 1.504 ug/l  
RT: 8.909 min Scan# 1283  
Delta R.T. -0.073 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

Tgt Ion: 75 Resp: 261  
Ion Ratio Lower Upper  
75 100  
77 0.0 25.7 38.5#





#56

Ethyl methacrylate

Concen: 0.246 ug/l

RT: 8.878 min Scan# 1

Delta R.T. -0.238 min

Lab File: VX027116.D

Acq: 18 Feb 2022 17:39

Instrument :

MSVOA\_X

ClientSampleId :

A5-2-6.5ME

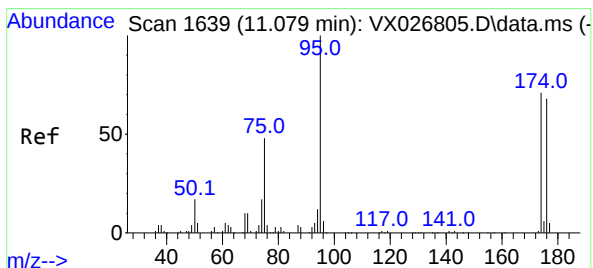
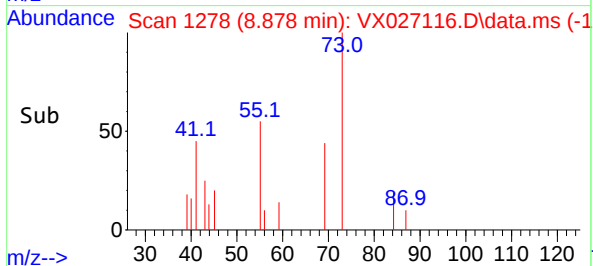
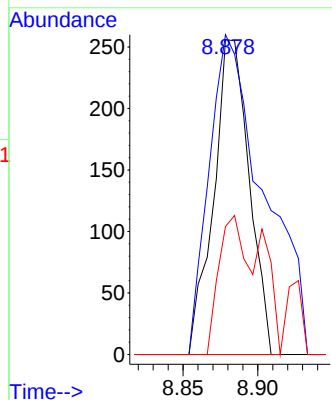
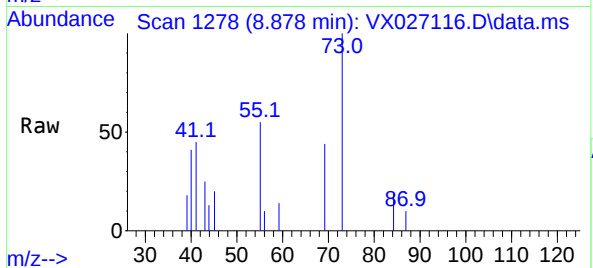
Tgt Ion: 69 Resp: 424

Ion Ratio Lower Upper

69 100

41 155.7 57.2 85.8#

39 51.4 30.9 46.3#



#62

4-Bromofluorobenzene

Concen: 57.503 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX027116.D

Acq: 18 Feb 2022 17:39

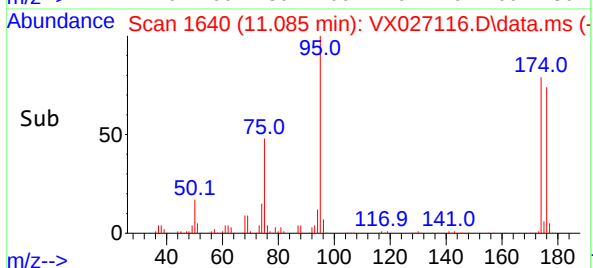
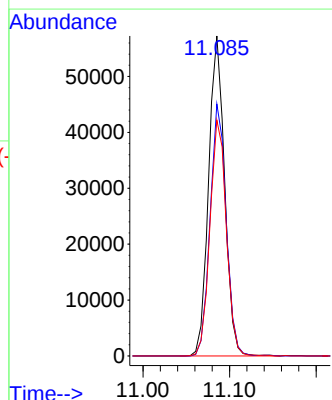
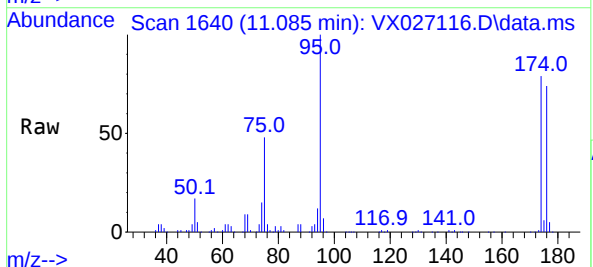
Tgt Ion: 95 Resp: 73394

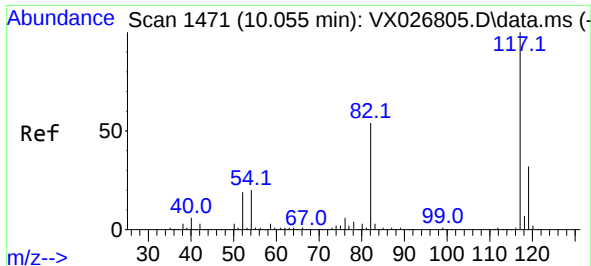
Ion Ratio Lower Upper

95 100

174 79.0 0.0 148.6

176 75.5 0.0 141.4

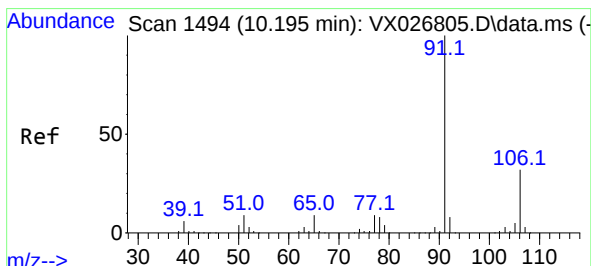
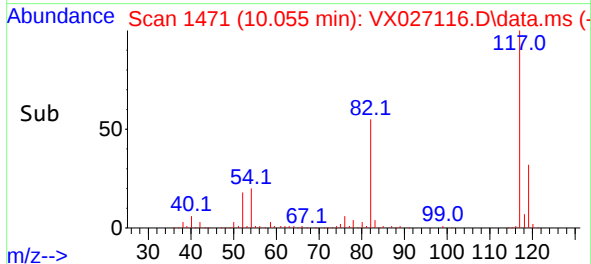
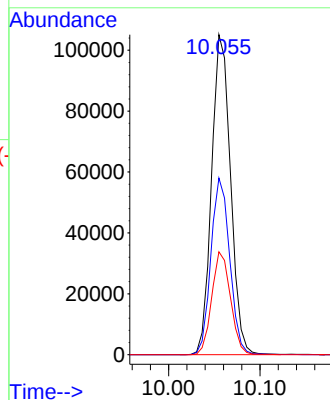
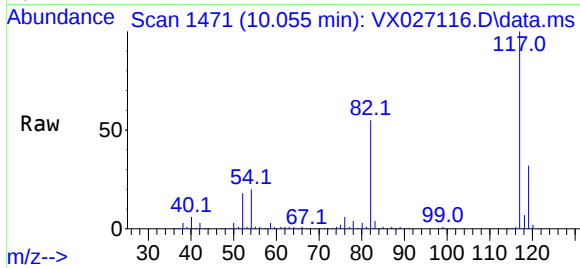




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

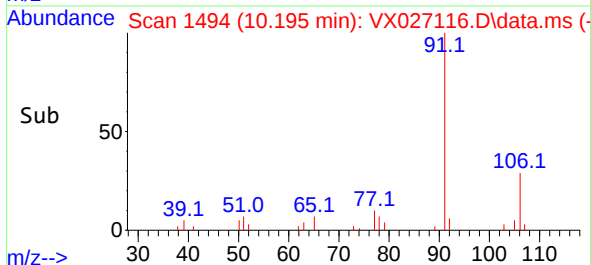
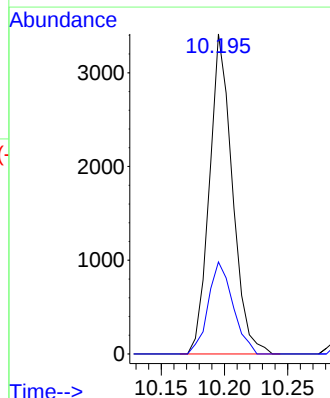
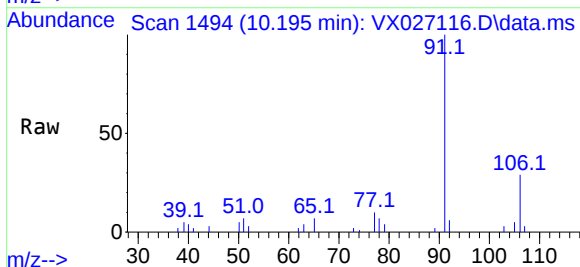
Instrument :  
MSVOA\_X  
ClientSampleId :  
A5-2-6.5ME

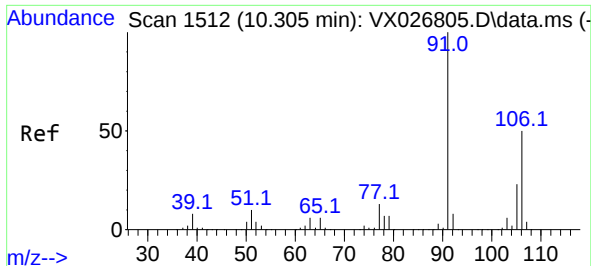
Tgt Ion:117 Resp: 151143  
Ion Ratio Lower Upper  
117 100  
82 55.2 45.2 67.8  
119 32.2 26.2 39.2



#67  
Ethyl Benzene  
Concen: 0.778 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

Tgt Ion: 91 Resp: 4303  
Ion Ratio Lower Upper  
91 100  
106 28.8 24.7 37.1

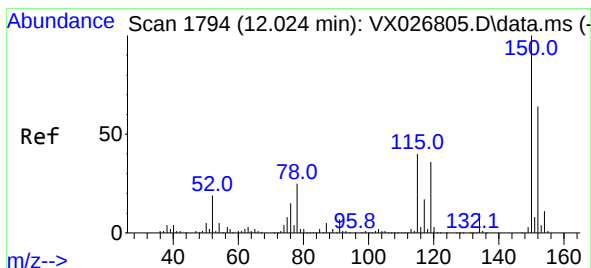
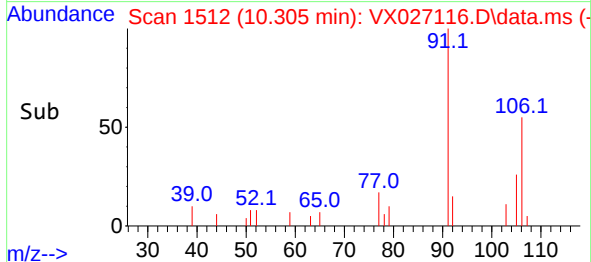
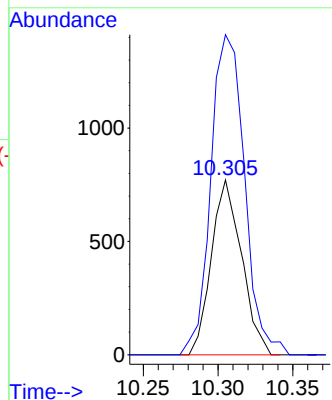
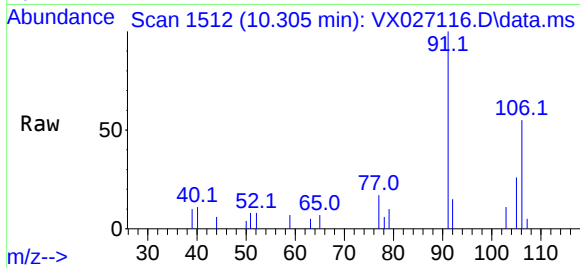




#68  
m/p-Xylenes  
Concen: 0.509 ug/l  
RT: 10.305 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

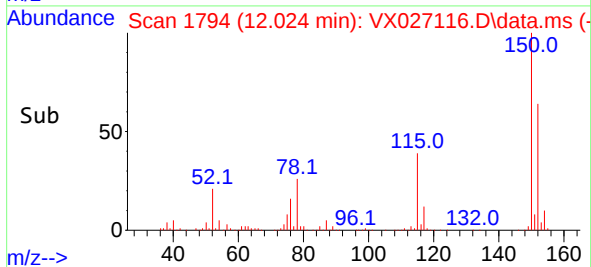
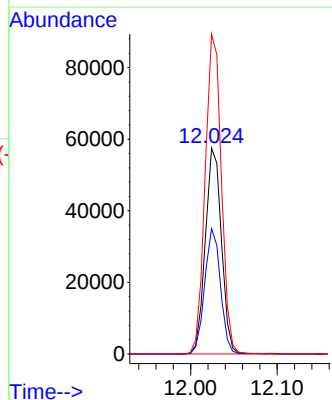
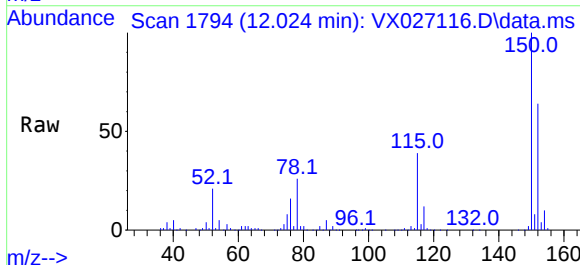
Instrument :  
MSVOA\_X  
ClientSampleId :  
A5-2-6.5ME

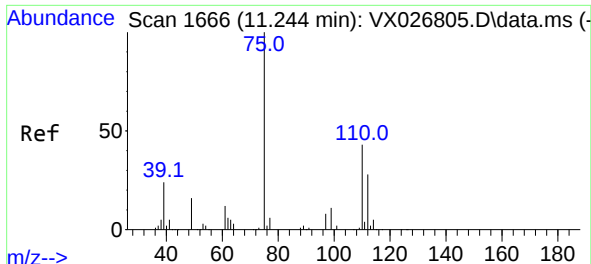
Tgt Ion:106 Resp: 1083  
Ion Ratio Lower Upper  
106 100  
91 204.4 165.3 247.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

Tgt Ion:152 Resp: 74323  
Ion Ratio Lower Upper  
152 100  
115 59.5 44.2 132.6  
150 156.5 0.0 348.2

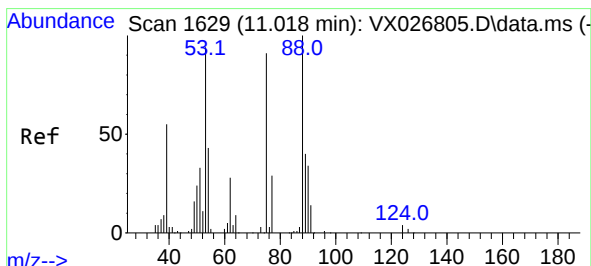
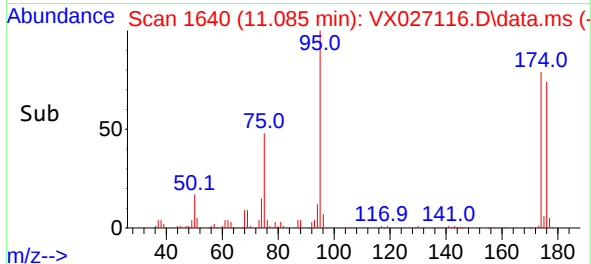
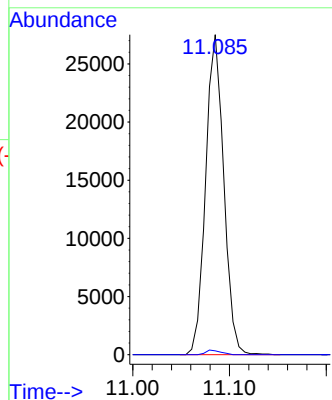
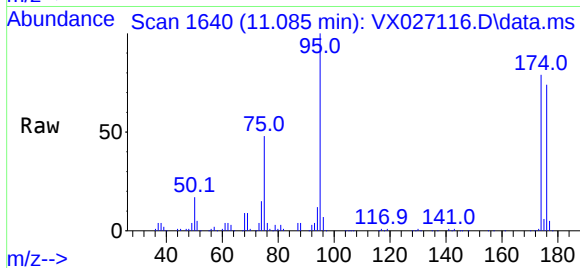




#76  
1,2,3-Trichloropropane  
Concen: 22.061 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.158 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

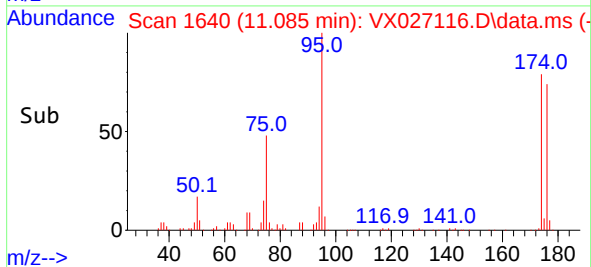
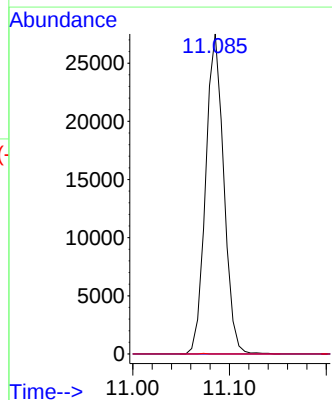
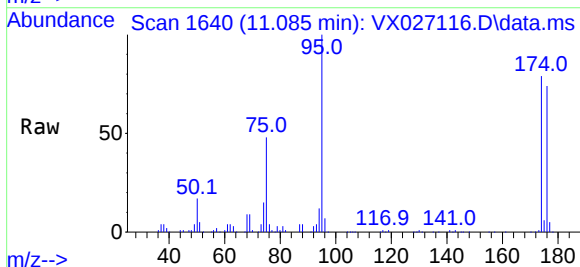
Instrument :  
MSVOA\_X  
ClientSampleId :  
A5-2-6.5ME

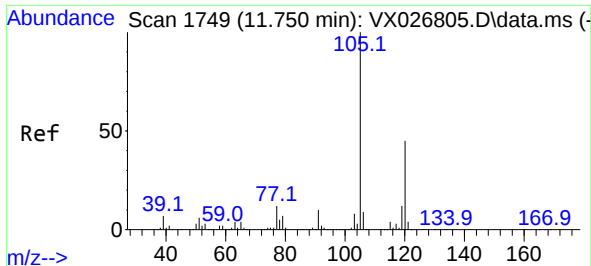
Tgt Ion: 75 Resp: 35893  
Ion Ratio Lower Upper  
75 100  
77 1.2 18.3 54.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 67.691 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.067 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

Tgt Ion: 75 Resp: 35893  
Ion Ratio Lower Upper  
75 100  
53 0.0 94.0 141.0#  
89 0.1 37.0 55.4#

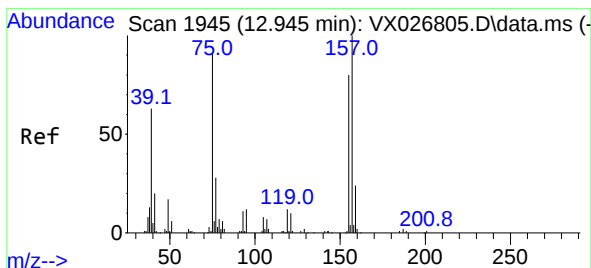
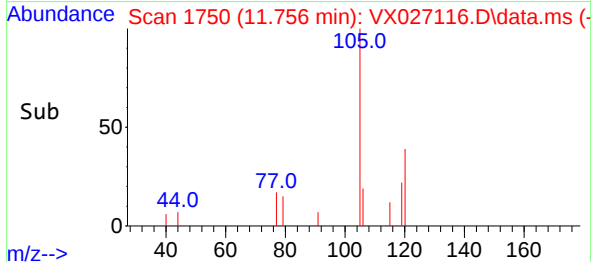
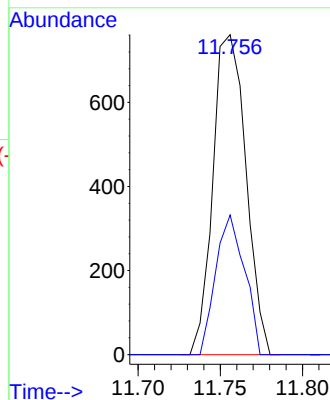
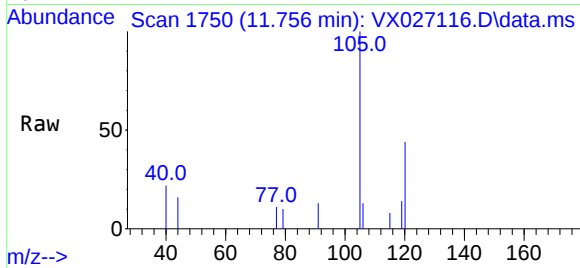




#84  
1,2,4-Trimethylbenzene  
Concen: 0.219 ug/l  
RT: 11.756 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

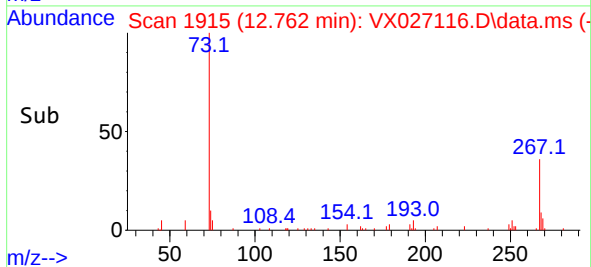
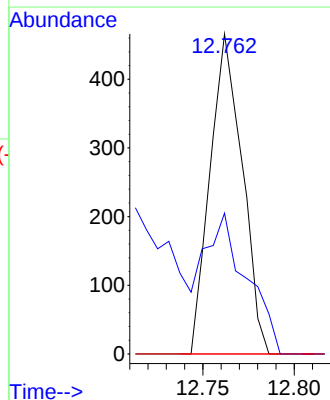
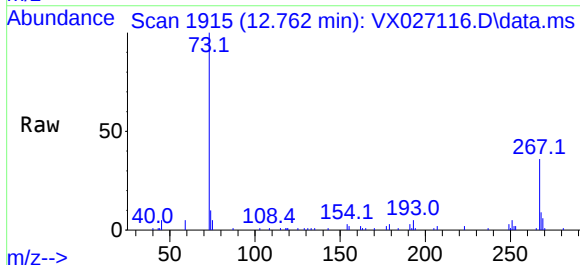
Instrument :  
MSVOA\_X  
ClientSampleId :  
A5-2-6.5ME

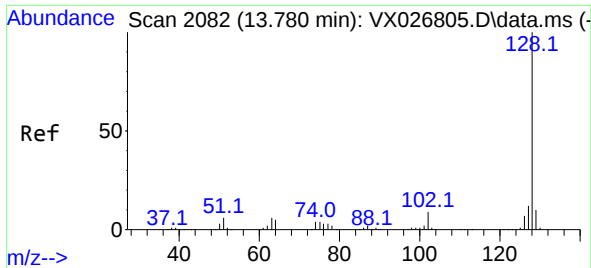
Tgt Ion:105 Resp: 1064  
Ion Ratio Lower Upper  
105 100  
120 38.0 21.9 65.5



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 1.459 ug/l  
RT: 12.762 min Scan# 1915  
Delta R.T. -0.183 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

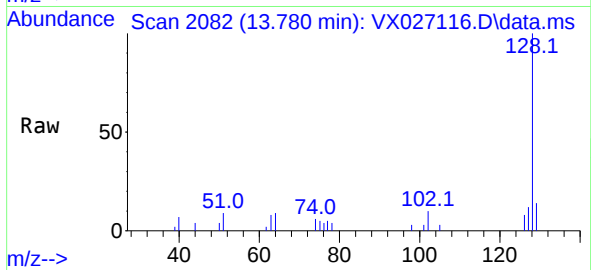
Tgt Ion: 75 Resp: 570  
Ion Ratio Lower Upper  
75 100  
155 57.9 40.0 119.9  
157 0.0 51.6 154.8#





#95  
Naphthalene  
Concen: 0.728 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.000 min  
Lab File: VX027116.D  
Acq: 18 Feb 2022 17:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
A5-2-6.5ME



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 3957  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 12.2  | 10.3  | 15.5  |
| 129      | 13.1  | 8.7   | 13.1# |

